CEN-TRACK

TunerRack Modular Multi-Tuner

> Rack-mountable modular multi-tuner

> Accepts up to 3 ATC-Series tuner cards

> Tuner card options include dual AM/FM, AM/FM & XM® satellite radio [1], or Internet radio

> Enables interactive control using touch screens and mobile devices

> Rich search capabilities find all your favorite radio stations, programs, and music with ease

> Support for metadata enables display of station names, song titles, artists, and other details

> Includes balanced, unbalanced, and digital audio outputs [4]

> Native Crestron® system integration via Ethernet

> Easy setup from front panel or software

The CEN-TRACK is a modular multi-tuner capable of providing up to 6 independent radio tuners for use in a Crestron® multi-room audio distribution system. Control of each tuner is available through the LCD front panel, as well as from Crestron touch screens, computers, and mobile devices via a Crestron control system.

Modular Tuner Cards

Up to three ATC-Series tuner cards can be installed in the CEN-TRACK to enable combinations of AM/FM terrestrial radio, XM® satellite radio, and Internet radio tuners. The modular card-based design makes it easy to change or expand the tuner configuration as needs change, or upgrade any tuner card as new features and services become available. Each CEN-TRACK model comes with one tuner card included.

Choose any combination of up to three tuner cards:

- **Dual AM/FM Radio —** Each ATC-AMFM2 tuner card provides two completely independent AM/FM tuners with RDS/RBDS to support two separate listening zones.[1]

- **AM/FM & XM® Satellite Radio —** Each ATC-AMFMXMD tuner card provides one XM satellite radio tuner and one AM/FM tuner with RDS/RBDS to support two separate listening zones.[1]

- **Internet Radio —** Each ATC-AUDIONET card provides a single Internet radio tuner for streaming over 15,000 available online radio stations and podcasts from around the world including Pandora® and SiriusXM® Internet radio.[2,3]

Multiple Outputs

Up to six independent audio outputs allow for connection to any multiroom audio distribution system, letting listeners in different rooms each enjoy their own choice of music, news, sports, and talk. Both balanced and unbalanced analog outputs are provided, making the CEN-TRACK ideal for use in all types of professional and commercial applications as well as the finest residential installations. Digital outputs are also included to deliver the highest quality audio interface from satellite and Internet radio sources.[4]

Metadata Display

Satellite radio services, as well as many FM and Internet radio stations, send text information called "metadata" as part of their broadcast signals. Metadata can include the radio station name, program or song title, artist name, category, traffic, weather, and phone numbers. All of this information is displayed on the TunerRack's front panel LCD screen. But better than that, it can also be displayed on any Crestron touch screen or APAD controller, providing useful information to the listener at any location throughout the home or workplace.

Program Guide

Each satellite and Internet radio tuner supports powerful browsing capabilities through an extensive program guide, which can be customized for display on any Crestron touch screen, computer, or mobile device, listing every available channel and what is currently playing on each channel. Versatile search options make it fun and easy to locate whatever you want to hear. Multiple users can each have full access to browse any of the available tuner program guides simultaneously without conflict, and favorite stations can be saved as presets for quick and easy recall.

Ethernet Control

The CEN-TRACK communicates with a Crestron control system via high-speed Ethernet, ensuring full bandwidth to support multiple users and touch screens. The control system's clock may also be synchronized to any digital radio tuner card that provides a time signal. Full setup and diagnostics may be performed from the front panel or Crestron Toolbox™ software. Additionally, the antenna signal strength and subscription activation codes can also be displayed on a touch screen for easy troubleshooting.

CRESTRON®

CEN-TRACK with ATC-AMFM2 and ATC-AUDIONET Tuner Cards — Rear View

SPECIFICATIONS

Communications

Ethernet: 10/100 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, DHCP
USB: USB device port for computer console

Connectors

SLOT 1 – 3: (3) Tuner card slots;
Accept choice of ATC-series tuner cards

LAN: (1) 8-wire RJ45 female;
10Base-T/100Base-TX Ethernet port

COMPUTER: (1) USB Type B female;
USB computer console port (cable included)

SPDIF 1 – 6: (6) RCA female;
S/PDIF coaxial digital audio outputs [4]

AUDIO 1 – 6 (RCA): (12) RCA female;
Provide (6) unbalanced stereo line-level audio outputs;
Output Impedance: 100 Ohms;
Maximum Output: 2 Vrms

AUDIO 1 – 6 (Terminal): (6) 5-pin 3.5mm detachable terminal blocks;
Balanced/unbalanced stereo line-level outputs;
Output Impedance: 200 Ohms balanced, 100 Ohms unbalanced;
Maximum Output Level: 4 Vrms balanced, 2 Vrms unbalanced

24 VDC 2.0A: (1) 2.1 x 5.5 mm DC power connector;
24 Volt DC power input (PW-2420RU power pack included)

G: (1) 6-32 screw, chassis ground lug

Headphone (front): (1) 3.5mm mini TRS phone jack

LCD Display

Green LCD dot matrix, 128 x 64 resolution, adjustable LED backlight;
Displays tuner settings, metadata, and setup menus

Controls and Indicators

HW-R: (1) recessed miniature pushbutton for hardware reset, reboots the unit
MENU: (1) pushbutton, steps menu back one level

DISPLAY: (1) pushbutton, toggles information displayed on the LCD screen
Soft Buttons: (4) LCD display-driven pushbuttons, select/activate various menu functions
TUNE: (1) continuous turn rotary encoder; scrolls through channels, presets, and other menu lists; adjusts selected parameters
ENTER: (1) pushbutton, executes value set by the TUNE knob
TUNERS: (6) pushbuttons, (6) red LEDs, and (6) 3/8" label slots; select which tuner is being displayed and adjusted
LAN (rear): (1) green and (1) amber LEDs, green indicates Ethernet link status, amber indicates Ethernet activity

Power Requirements

Power Pack: 2 Amps @ 24 Volts DC;
100-250 Volts AC, 50/60 Hz power pack, model PW-2420RU included

Environmental

Temperature: 41° to 104°F (5° to 40°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 110 BTU/hour

Enclosure

Chassis: Metal, black finish, convection-cooled, vented top and sides
Faceplate: Extruded aluminum, black finish with polycarbonate label overlay
Mounting: Freestanding or 2U 19-inch rack-mountable (adhesive feet and rack ears included)

Dimensions

Height: 3.56 in (91 mm);
       3.47 in (88 mm) without feet
Width: 17.03 in (433 mm);
       19.0 in (483 mm) with rack ears
Depth: 10.30 in (262 mm)

Weight

6.75 lb (3.06 kg) including 1 tuner card

MODELS & ACCESSORIES

Available Models

CEN-TRACK-AMFM2: Tuner Rack Modular Multi-Tuner w/Dual AM/FM Tuner Card

CEN-TRACK-AMFMXMD: TunerRack Modular Multi-Tuner w/AM/FM & XM® Satellite Radio Tuner Card

CEN-TRACK-AUDIONET: TunerRack Modular Multi-Tuner w/Internet Radio Tuner Card

Included Accessories

ATC-AMFM2: Dual AM/FM Radio Tuner Card (Qty. 1 included with CEN-TRACK-AMFM2)

ATC-AMFMXMD: AM/FM and XM® Satellite Radio Tuner Card (Qty. 1 included with CEN-TRACK-AMFMXMD)

ATC-AUDIONET: Internet Radio Tuner Card (Qty. 1 included with CEN-TRACK-AUDIONET)

PW-2420RU: Power Pack (Qty. 1 included)

Available Accessories

ATC-AMFM2: Dual AM/FM Radio Tuner Card

ATC-AMFMXMD: AM/FM and XM® Satellite Radio Tuner Card

ATC-AUDIONET: Internet Radio Tuner Card

C2N-TXM-C50: Antenna Extension Cable for XM® Radio, 50 ft

SRD-ANT-8-PAK: Satellite Radio Antenna System, 8-Way

CBL-Series: Crestron® Certified Interface Cables

Notes:

1. XM Satellite Radio requires a paid subscription and is available only in the 48 contiguous United States and the District of Columbia. Refer to SiriusXM.com or contact Sirius XM Radio Inc. for complete terms of use and subscription details.
2. Pandora can only be used in the United States, New Zealand, Australia, and those countries' respective territories. Refer to Pandora.com or contact Pandora Media, Inc. for complete terms of use and subscription details. Refer to the ATC-AUDIONET product spec sheet for additional information.
3. SiriusXM Internet Radio requires a paid subscription and is available only in the United States and Puerto Rico. Refer to SiriusXM.com or contact Sirius XM Radio Inc. for complete terms of use and subscription details. Refer to the ATC-AUDIONET product spec sheet for additional information.
4. The number of outputs and digital output capability are dependent upon the tuner cards installed. Consult the specifications for each tuner card model for complete details.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

9.92 in
(25.20 cm)

9.69 in
(24.61 cm)

17.03 in
(43.25 cm)

3.47 in
(8.82 cm)